

ADDITIONAL FEES:

Submitted herewith is a check in the amount of \$198.00 to cover the fee for eleven (11) claims in excess of twenty total. Should it be determined that an additional fee is due, authorization is hereby given to charge any such fee to our Deposit Account No. 01-0268.

IN THE ABSTRACT:

Delete the abstract now of record and insert therefor the new abstract submitted herewith on a separate sheet.

REMARKS

In order to place this application in condition for a complete action on the merits, the specification has been suitably revised to correct informalities, provide antecedent basis for the claim language, and place it in better conformance with U.S. practice. The specification has been further revised to provide cross-reference to copending International Application Ser. No. PCT/JP99/06122, filed November 2, 1999 claiming a priority date of November 5, 1998. A new abstract which more clearly reflects the invention to which the amended and new claims are directed has been substituted for the original abstract.

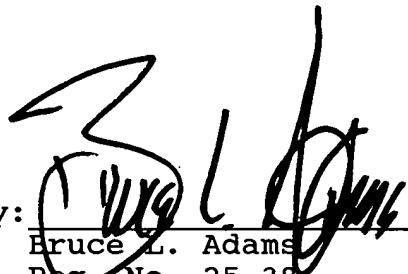
Original claims 1-5 have been amended to correct informalities and in formal respects to improve the wording thereof. Claims 1-5 have also been amended to correct the improper form of the multiple dependent claims. New claims 6-8, 11-12 and 15 have been added to cover the subject matter of original multiple dependent claims 3/1-5/1, 4/2-5/2 and 5/3, respectively. New claims 9-10, 13-14 and 16-19 have been added to cover the alternative features recited in original claim 5 directed to the inspection apparatus and the charged particle beam apparatus. New claims 20-31 have been added to provide a fuller scope of coverage.

Attached hereto is a marked-up version of the changes made to the specification, abstract and claims by the current amendment. The attached pages i-vi are captioned "VERSION WITH MARKINGS TO SHOW CHANGES MADE."

Early and favorable action on the merits are most respectfully requested.

Respectfully submitted,

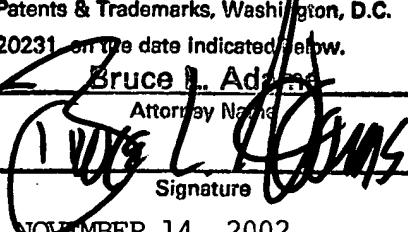
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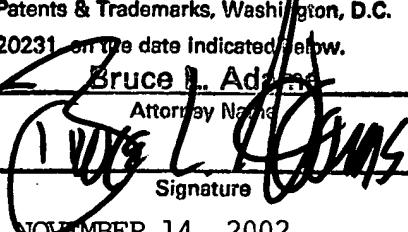
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MAILING CERTIFICATE

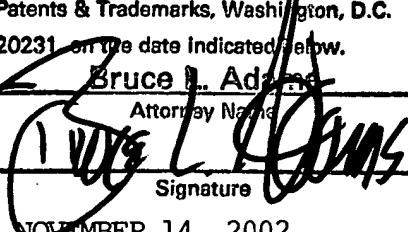
I hereby certify that this correspondence is being deposited with the United States Postal Service as first-class mail in an envelope addressed to: Commissioner of Patents & Trademarks, Washington, D.C. 20231 on the date indicated below.


Bruce L. Adams

Attorney Name


Signature

NOVEMBER 14, 2002


Date

"VERSION WITH MARKINGS TO SHOW CHANGES MADE"

IN THE ABSTRACT:

The original abstract has been replaced with the following new abstract:

A network system has a first LAN, a second LAN, and a storage device for storing data accessible from the first LAN and the second LAN. A control apparatus controls accessibility of the data stored in the storage device from the first LAN and the second LAN. The control apparatus includes an access prevention device for preventing access from the first LAN to the second LAN and from the second LAN to the first LAN.

IN THE SPECIFICATION:

Insert the following new heading and paragraph after the title of the invention and before line 1:

Cross-Reference to Related Applications

This application is a U.S. national stage application of copending International Application Ser. No. PCT/JP99/06122, filed November 2, 1999 claiming a priority date of November 5, 1998, and published in a non-English language.

Insert the following heading between line 1 and line 2:

Field of the Invention

Insert the following heading between line 3 and line 4:

Background Information

Paragraph beginning at line 1 of page 5 has been amended as follows:

The network system of the present invention is equipped with the first LAN, the second LAN, and control or separation means and memory means connected between the first and second LANs. [, and] [the separation means separates the first and the second LAN] [so that they do not influence each other and controls] [accessibility to the memory means from both the first and] [second LANs.] The separation means separates the first and the second LAN so that they do not influence each other and controls accessibility to the memory means from the both first and second LANs.

Heading beginning at line 5 of page 6 has been amended as follows:

DETAILED DESCRIPTION OF THE PREFERRED [EMBODIMENT]
EMBODIMENTS

Paragraph beginning at line 10 of page 6 has been amended as follows:

In Fig. 1, a device-side LAN 101 as a second LAN comprising a focused ion beam apparatus is installed in the measurement room located separately from the factory and is connected to a factory-side LAN 109 as a first LAN via TCP/IP through a control means 110 (hereinafter referred to as "separating means") which separates [separation means 110 separating] the [device side] device-side LAN 101 and the factory-side LAN 109[,] so that the two LANs do not influence each other. The factory-side LAN 109 is not described in detail but connects, for example, computers via bus lines. The device-side LAN 101 is equipped with a host computer 102 for input instructions for processing such as observing and working of the workpiece, analysis of collected data, or display of workpiece images. In addition, as processing elements, this LAN 101 as an optical system controller 103 for controlling focusing and magnification by controlling a condenser lens, a beam blanking electrode, or a scanning electrode to control an ion beam with an electric field, an optical axis controller 104 for axially aligning an ion source mounted on an ion source stage by using an actuator and piezoelectric element, a vacuum evacuation unit 105 for evacuating the workpiece room where the workpiece is mounted,

a workpiece stage 106 for moving the mounted workpiece to the irradiating position of the beam, and a workpiece conveying apparatus 107 for conveying the workpiece to the workpiece stage 106. The essential processing elements making up a charged particle beam device are the optical system controller 103 and the vacuum evacuation unit 105, and the other processing elements are used when needed.

Paragraph beginning at line 3 of page 8 has been amended as follows:

[On the other hand, a] The separation means 110 is preferably [made from] a computer [consisting of] having a CPU 111, a display 112, a memory 113 storing a program for the CPU 111, an input device such as a keyboard 114, a dedicated path 115, and network cards 116 and 117. The path 115 is connected to a device-side LAN 101 and a factory-side LAN 109 via the network cards 116 and 117. Further, the path 115 is connected to a storage device 118 as a storing means for storing shared data requiring no confidentiality.

IN THE CLAIMS:

Claims 1-5 have been amended as follows:

1. (Amended) A network system comprising: [equipped] [with] a first LAN[,]; a second LAN[, a separation means and a]; storage means [connected] for storing data accessible from

[between] the first LAN and the second LAN[, wherein the separation means separates the first LAN and the second LAN so as not to influence each other, while at the same time]; and control means for controlling accessibility of the data stored in the storage means from the first LAN and the second LAN, the control means including access prevention means for preventing access from the first LAN to the second LAN and from the second LAN to the first LAN [to the storage means].

2. (Amended) [The] A network system according to claim 1; wherein the control means includes means for overriding a setting of the access prevention means to allow accessibility of [of claim 1, having settings of the separation means changeable to that] the second LAN [can be accessed] from the first LAN.

3. (Amended) [The] A network system according to claim 2; wherein [of claim 1 or 2, having] the first LAN comprises a LAN on a factory side and the second LAN comprises a LAN on a device side. [as a factory-side LAN, and the second LAN as a device-side LAN.]

4. (Amended) [The] A network system according to claim 3; further comprising communication means for communicating [of either of claim 1, 2 or 3, having] the second LAN [connected] to [the] a remote service center to

allow remote maintenance of [supporting] the second LAN
[through a communication line].

5. (Amended) [The] A network system according to
claim 4; wherein [of either of claim 1, 2, 3, or 4, having]
the second LAN comprises [comprising] a manufacturing
apparatus[, an inspection apparatus, and a charged particle
beam apparatus].